Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: Robert L. Williams

GENERAL INFORMATION:

Name:	Carmeuse Line & Stone, Inc
Address:	9222 Springdale Road, Maysville, Kentucky 41056
Date application received:	December 12, 1997
SIC/Source description:	3274 / Lime Production
EIS #:	21-161-00010
Application log number:	50249
AI number:	3003
Permit number:	V-05-004

APPLICATION TYPE/PERMIT ACTIVITY:

[x] Initial issuance
[ ] Permit modification
__Administrative
__Minor
__Significant
[ ] Permit renewal
[ ] General permit
[ ]Conditional major
[x] Title V
[ ] Synthetic minor
[ ] Operating
[x] Construction/operating

COMPLIANCE SUMMARY:

[ ] Source is out of compliance
[x] Compliance certification signed
[ ] Compliance schedule included

APPLICABLE REQUIREMENTS LIST:

[ ] NSR
[x] PSD
[ ] Netted out of PSD/NSR
[x] NSPS
[x] NESHAPS
[ ] Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)
[x] SIP
[ ] Other

MISCELLANEOUS:

[ ] Acid rain source
[ ] Source subject to 112(r)
[ ] Source applied for federally enforceable emissions cap
[ ] Source provided terms for alternative operating scenarios
[x] Source subject to a MACT standard
[ ] Source requested case-by-case 112(g) or (j) determination
[ ] Application proposes new control technology
[x] Certified by responsible official
[x] Diagrams or drawings included
[ ] Confidential business information (CBI) submitted in application
[ ] Pollution Prevention Measures
[ ] Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM/PM_{10}	7022.339 / 6145.253	7022.339 / 6145.253
SO_2	4647.129	4647.129
NOx	2706.127	2706.127
CO	1295.432	1295.432
VOC	1.578	1.578
LEAD	84.894	84.894
HAP $ 10 tpy (by CAS)		
HCl	281.027	281.027

SOURCE PROCESS DESCRIPTION:

Limestone is transported from the underground mine to the surface via conveyor belts. At the surface, the limestone is crushed, washed, and conveyed to various stockpiles depending on the size of the stone.

Limestone which is too small to be calcined in the kilns gets conveyed to fines stockpiles. This stone may also be screened to segregate the aggregate into more specific sizes as needed by the end user. Aggregate can be dried in a small rotary drier prior to sale. The customer's specifications determine if the material will be dried.

There are four kilns at the plant. All four kilns are short rotary preheater type kilns. For all kilns, stone is fed into the feed end of the kilns at a controlled rate through the preheaters, while fuel is fed into the discharge end of the kilns. As calcination takes place, the limestone is converted to quick lime. The lime is cooled and either transported directly into storage bins or screened and deposited into the storage bins. Exhaust gases from kilns #1, #2, and #3 are controlled through a multi-cyclone collector and then through a baghouse. Kiln #4 exhaust gases pass through a baghouse.

The lime is stored in three silos awaiting shipment. The lime is placed on conveyors from the silos and taken to the barge loading area where it is placed in barges for shipment. A small portion of the lime is screened and shipped either by truck or rail.

Coal is delivered by either barge or truck and placed in two storage silos. The stored coal is fed onto conveyors and transferred to the coal bins. The coal exiting the coal bins is pulverized and "blown" into the discharge end of the kilns for combustion. Under the direction of the Division of Waste Management, Maysville is experimenting with using tire derived fuel (TDF) as a supplemental fuel in the kilns.